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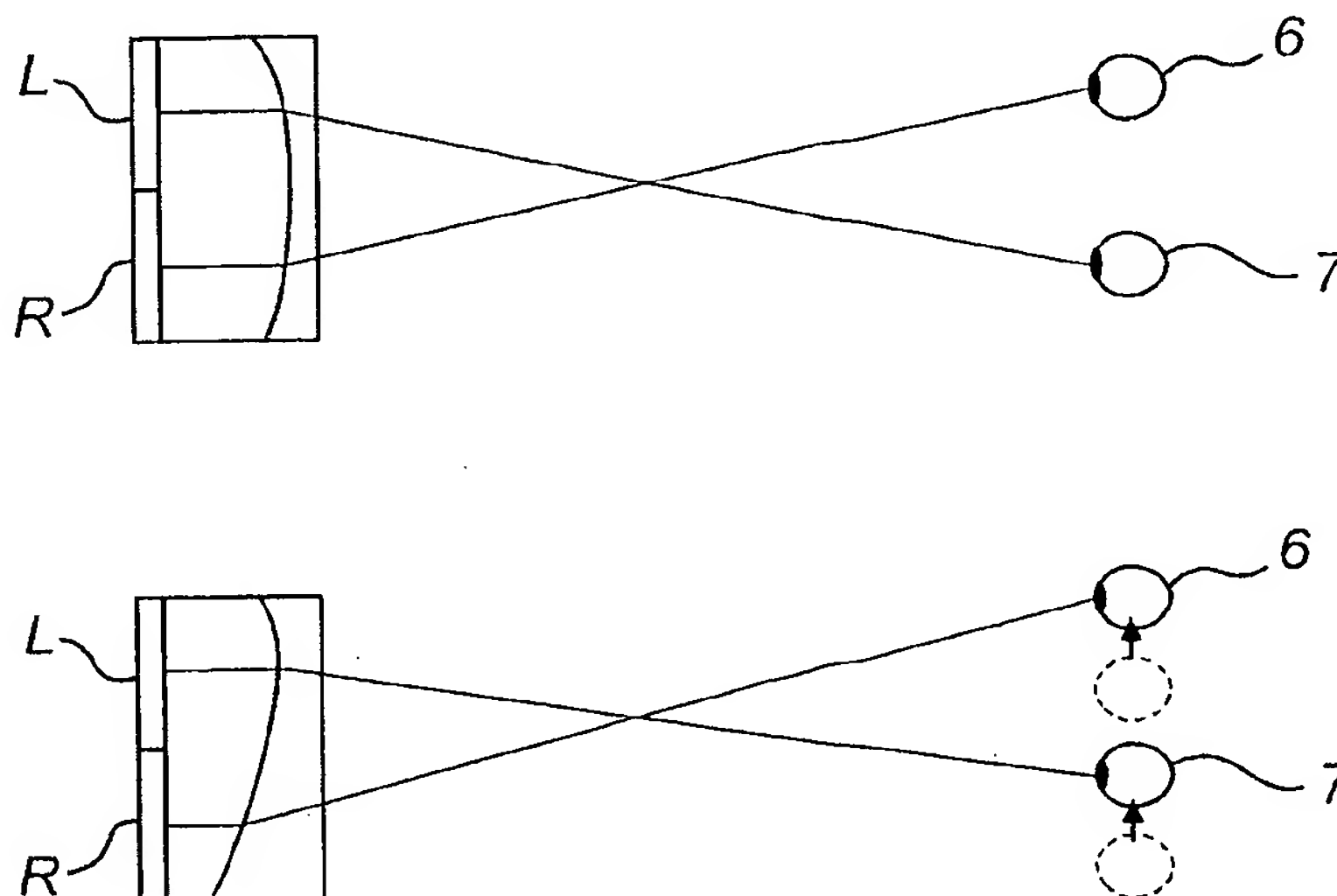
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(54) Title: **AUTOSTEREOSCOPIC DISPLAY DEVICE**



(57) Abstract: The present invention relates to an autostereoscopic display device, comprising an imaging layer (9) and a lens layer (10). The lens layer (10) serves to project different content from the imaging layer (9) to the left and right eyes, respectively, of a user. The lens layer (10) comprises lens cells (12), enclosing two fluids (13, 14) with different refractive indices. The shape of the interface between the fluids may be changed using electrowetting, by means of two individually controllable electrodes (21, 22) at the sides of each lens cell (12). The display device further comprises a user head tracking device and means for controlling the lens cell electrodes depending on a detected user head position. This allows the display device to display a correct 3D-image, even if the user moves his head.

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